

**Opening Date:** October 17, 2014  
**Closing Date:** Open Until Filled  
**Work Location:** Austin, Texas  
**Posting Number:** 15-09  
**Monthly Salary:** \$3,333 - \$4,583  
**Group/Class:** 2456/2460/2464/B17/B19/B21  
**Travel:** 75%  
**Division:** Surface Water Resources  
**Number of Positions:** 1  
**Position Number:** 1096

## **JOB VACANCY NOTICE**

### **Hydrologist I-III**

*Apply Via Mail/Hand Delivery: Texas Water Development Board  
Stephen F. Austin Building, 1700 North Congress Ave., Room 670,  
Austin, Texas 78701, via facsimile (512) 463-7644, or via email  
HR@twdb.texas.gov. Refer to Human Resources (512) 475-2142  
Equal Opportunity Employer*

### **Job Description**

The Surface Water Resources Division of the Texas Water Development Board is seeking a highly motivated individual to provide technical and field support for the Hydrographic Survey program. This program furnishes water planners with up-to-date information about the storage capacity of state reservoirs for their use in developing regional and state water plans to meet present and future water needs of all Texans. This position includes, but is not limited to, assisting with the collection, processing and dissemination of data related to lake volumetric and lake sediment surveys; maintaining hardware and software configuration and updates; developing working relations with reservoir owners, private contractors, university professors, and hardware vendors to facilitate data collection. The job may require extensive travel at times. The individual will work under limited supervision with moderate latitude for the use of initiative and independent judgment.

### **Essential Job Functions**

- Provide technical support to the Hydrographic Survey program. This include collecting and compiling survey data and preparing charts, graphs, spreadsheets, contracts and invoices.
- Meet with reservoir and water rights owners to initiate surveys and arrange logistical support.
- Create GIS files of river and reservoir bathymetry and perform data processing quality-control duties.
- Edit and analyze survey data, using various data processing software packages, to quantify reservoir volumetric and sedimentation survey results, produce area-capacity tables.
- Prepare technical reports describing methodology and results and make recommendations regarding findings.
- Use personal computers and hydroacoustic software/equipment, including GPS navigation systems.
- Collect, evaluate, and analyze sediment core samples as part of field investigations and validate data using hydroacoustic equipment. Requires work outdoors possibly during inclement weather or under hot and cold temperatures.
- Transport and operate boats on Texas water bodies to collect sediment and bathymetric data.
- Requires work days to occasionally exceed 8 hours, including early mornings, late nights and weekends.
- Must be willing to travel up to 75% of the time.

### **Minimum Qualifications**

- Experience in transporting and operating boats and in collecting and assessing hydrological data.

### **Preferred Qualifications**

- Graduation from an accredited four-year college or university with a Bachelor's Degree in hydrology, natural sciences or a related field with emphasis in hydrology or water resources. Experience and education may be substituted for one another.

### **Knowledge, Skills, and Abilities**

- Proven ability to operate and transport motorized boats up to 25-ft in length safely, effectively, and independently or a willingness to learn.
- Skill with mechanical and electrical equipment (i.e. boat motor, trailer, and electrical system maintenance).
- Ability to meet public/government officials to initiate surveys and request ancillary data pertinent to surveys.
- Skill in use of personal computers and applicable programs, applications and systems.
- Knowledge in the use of surveying tools, equipment and instruments, including GIS and GPS systems.
- Ability to write and communicate effectively (writing sample will be requested at the interview).
- Ability and willingness to lift and carry 50 lbs. over variable terrain, in varying weather, and to work in small boats.

Female and minority applicants are encouraged to apply.

Males born on or after January 1, 1960, will be required to present proof of Selective Service registration on the first day of employment or proof of exemption from Selective Service registration requirement. All offers of employment are contingent upon the candidate having legal authorization to work in the United States. Failure to present such authorization within the time specified by the U.S. Department of Labor will result in the offer being rescinded. Only applicants interviewed will be notified of their selection or non-selection. Resumes will not be accepted in place of a completed State of Texas application unless indicated.

HR-002

Revised 4/29/14



The Texas Water Development Board does not discriminate on basis of race, color, national origin, sex, religion, age, or disability in employment or provision of services, programs, or activities. [www.twdb.texas.gov/jobs](http://www.twdb.texas.gov/jobs)

## Job Vacancy Notice (cont.)

Posting number: 15-09

- Ability to maintain filing systems.
- Ability to lead field operations and perform duties as assigned without direct supervision.
- Knowledge of GIS software (e.g., ArcGIS, etc.)
- Knowledge in the use of surveying tools, equipment and instruments, including GPS systems (e.g., Trimble, Hypack, depth sounders, etc.).

### **Remarks**

- Applicants are encouraged to submit a cover letter and resume *in addition to* the required State application form.
- Copy of required academic transcripts and/or licensures and copy of driving record must be submitted at the time of hire. Failure to provide required documentation will result in no further consideration for employment.
- Important Notice: Otherwise qualified candidates who are ultimately considered for potential employment with the Texas Water Development Board may be the subject of a request for any criminal history record information maintained by the Texas Department of Public Safety (DPS). Evidence of a criminal conviction or other relevant information obtained from the DPS shall not automatically disqualify an individual from employment with the Texas Water Development Board.